



US006214875B1

(12) **United States Patent**  
**Yang**(10) **Patent No.:** **US 6,214,875 B1**(45) **Date of Patent:** **Apr. 10, 2001**(54) **ANTICANCER EFFECTS OF SPECIFIC  
BRANCHED-CHAIN FATTY ACIDS AND  
RELATED PRODUCTION PROCESS**(76) **Inventor:** **Zhenhua Yang**, 3008 Andalucia Dr.,  
West Covina, CA (US) 91791(\*) **Notice:** Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.(21) **Appl. No.:** **09/173,681**(22) **Filed:** **Oct. 16, 1998****Related U.S. Application Data**(60) Provisional application No. 60/081,712, filed on Apr. 14,  
1998.(51) **Int. Cl.<sup>7</sup>** ..... **A61K 31/20**(52) **U.S. Cl.** ..... **514/558; 514/2; 514/8;**  
**514/557; 514/560; 426/61; 424/115; 424/116;**  
**424/123**(58) **Field of Search** ..... **514/2, 8, 558,**  
**514/560, 557; 426/61; 424/115, 116, 123**(56) **References Cited****U.S. PATENT DOCUMENTS**4,877,739 10/1989 Yang .  
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Maier & Neustadt, P.C.(57) **ABSTRACT**A group of specific branched-chain fatty acids, with signifi-  
cant anticancer effects on human and animals; methods of  
making using either chemical synthesis or biosynthesis  
methods; and methods of treating cancer.**23 Claims, 7 Drawing Sheets****(3 of 7 Drawing Sheet(s) Filed in Color)**